

Metal Shield High Pass Filter

RHP-225+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	93.90	90.73	91.80	0.002	0.003	0.003	0.002	0.003	0.004
1	93.73	91.58	91.84	0.002	0.003	0.003	0.002	0.003	0.004
10	94.93	96.53	102.67	0.001	0.002	0.004	0.002	0.003	0.004
20	98.30	99.44	96.70	0.003	0.004	0.006	0.001	0.005	0.007
50	99.01	97.17	88.42	0.013	0.019	0.027	0.003	0.023	0.037
100	62.88	62.57	62.51	0.05	0.08	0.09	0.04	0.07	0.11
120	50.98	50.88	50.73	0.09	0.12	0.14	0.08	0.12	0.16
125	48.21	48.11	47.96	0.10	0.13	0.16	0.09	0.14	0.17
150	35.29	35.21	35.06	0.18	0.22	0.26	0.18	0.24	0.28
165	27.97	27.87	27.75	0.26	0.32	0.36	0.27	0.34	0.40
170	25.57	25.48	25.36	0.30	0.36	0.41	0.31	0.39	0.46
200	11.52	11.48	11.38	1.06	1.20	1.31	1.12	1.29	1.43
225	2.76	2.83	2.86	6.26	6.69	7.13	6.49	7.00	7.52
250	0.75	0.88	0.98	25.58	26.11	26.32	28.66	31.03	33.20
360	0.34	0.44	0.52	21.68	20.84	20.03	21.64	20.89	20.17
500	0.24	0.33	0.40	21.42	21.03	20.69	21.19	20.84	20.54
1000	0.15	0.28	0.38	43.30	30.99	25.78	36.95	29.29	24.95
2000	0.19	0.40	0.57	28.20	23.86	21.94	29.62	24.90	22.73
3000	0.25	0.54	0.78	27.27	28.33	29.66	25.93	26.17	25.65
3200	0.27	0.59	0.85	28.06	28.55	28.98	26.12	25.89	24.79
3400	0.28	0.61	0.89	28.10	27.45	27.33	26.38	25.24	24.07
3500	0.28	0.62	0.91	27.96	27.31	27.35	26.21	25.17	24.01
3700	0.31	0.66	0.96	24.69	26.19	27.02	23.79	24.94	25.11
3800	0.33	0.69	1.00	23.26	25.15	26.11	22.55	24.24	24.95
3900	0.35	0.71	1.02	22.16	23.81	24.94	21.80	23.51	24.42
4000	0.36	0.74	1.06	21.86	22.49	23.18	21.57	22.54	23.14
4200	0.40	0.81	1.15	19.80	19.94	19.78	19.75	20.05	20.11
4400	0.47	0.89	1.26	17.27	17.74	17.60	17.15	17.89	18.16
4500	0.50	0.94	1.34	16.27	16.72	16.66	16.32	16.93	17.42
4700	0.56	1.02	1.44	15.25	15.30	15.28	15.16	15.55	15.56
4800	0.58	1.06	1.48	15.19	14.81	14.69	15.06	14.95	14.88
4900	0.62	1.10	1.54	14.70	14.39	14.01	14.63	14.56	14.30
5000	0.62	1.14	1.58	14.78	14.06	13.50	14.74	14.18	13.80
5200	0.67	1.22	1.65	14.13	13.74	13.17	13.92	13.82	13.56
5400	0.72	1.27	1.73	13.95	13.78	13.31	13.60	13.81	13.64
5500	0.71	1.27	1.76	14.43	13.96	13.55	14.20	14.00	13.83
5700	0.74	1.32	1.79	15.01	14.73	14.13	14.64	14.70	14.41
5800	0.76	1.35	1.85	15.92	15.43	15.01	15.30	15.23	15.07
5900	0.79	1.42	1.90	17.17	16.27	15.94	16.48	15.84	15.67
6000	0.98	1.64	2.17	18.69	18.17	17.79	16.89	16.61	16.57
6200	1.49	2.05	2.56	14.63	15.08	15.07	14.99	15.80	16.04
6400	0.91	1.49	2.09	16.12	17.45	17.64	16.20	18.20	18.47
6500	0.83	1.47	1.98	17.72	18.81	19.67	17.92	19.71	21.25
6700	0.76	1.45	2.03	20.62	21.62	22.66	22.32	24.03	26.06
6800	0.84	1.48	2.10	21.44	23.35	24.92	24.10	27.96	33.30
6900	0.83	1.49	2.10	22.02	24.61	24.93	24.91	32.00	38.70
7000	0.87	1.56	2.22	23.67	25.01	26.39	25.83	30.28	26.32
7200	0.96	1.68	2.35	25.38	23.44	21.82	25.01	23.38	20.12
7400	1.03	1.85	2.50	22.46	20.33	19.33	20.37	18.48	17.30
7500	1.10	1.94	2.67	20.69	18.88	18.32	17.81	16.83	16.30
7600	1.19	2.07	2.82	18.94	17.68	17.21	16.04	15.15	14.79
7800	1.68	2.34	3.16	16.53	15.61	14.89	12.68	12.83	12.50
8000	1.73	2.62	3.43	14.03	14.34	14.21	10.64	11.25	11.38
8500	2.44	3.30	4.00	10.78	11.65	13.85	8.23	9.19	10.89

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
360	2.27	2.26	2.25
370	2.13	2.12	2.11
380	2.01	2.00	1.99
390	1.90	1.89	1.88
400	1.80	1.79	1.78
500	1.21	1.20	1.19
600	0.92	0.91	0.91
700	0.76	0.75	0.75
800	0.66	0.65	0.65
900	0.59	0.58	0.58
1000	0.54	0.53	0.53
1200	0.48	0.47	0.47
1400	0.44	0.43	0.43
1500	0.43	0.42	0.42
1600	0.42	0.41	0.41
1700	0.41	0.40	0.40
1800	0.40	0.39	0.39
2000	0.39	0.38	0.38
2200	0.38	0.37	0.37
2400	0.38	0.37	0.37
2500	0.38	0.37	0.36
2700	0.37	0.36	0.36
2800	0.37	0.36	0.36
3000	0.37	0.36	0.36
3200	0.36	0.35	0.35
3400	0.37	0.36	0.35
3500	0.37	0.36	0.35
3700	0.36	0.36	0.35
3800	0.36	0.36	0.35
4000	0.36	0.36	0.35
4200	0.37	0.36	0.35
4400	0.37	0.35	0.35
4500	0.36	0.35	0.35
4700	0.36	0.35	0.35
4800	0.36	0.35	0.35
5000	0.37	0.35	0.35
5200	0.36	0.35	0.35
5400	0.36	0.36	0.35
5500	0.37	0.36	0.35
5700	0.37	0.36	0.36
5800	0.38	0.37	0.36
6000	0.40	0.38	0.37
6200	0.28	0.29	0.29
6400	0.40	0.39	0.38
6500	0.39	0.38	0.38
6700	0.40	0.38	0.38
6800	0.39	0.38	0.38
7000	0.39	0.38	0.38
7200	0.38	0.39	0.38
7400	0.40	0.39	0.39
7500	0.41	0.39	0.39
7800	0.40	0.39	0.37
8000	0.39	0.40	0.41
8500	0.39	0.42	0.41

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